

Dogukan Mutlu

Pamukkale University, Biology Department
Molecular Biochemistry Laboratory
+90 0258 296 35 30 • dmutlu08[at]posta.pau.edu.tr

EDUCATION

PhD in Molecular Biochemistry Pamukkale University, Department of Biology	2018-Continues
MSc in Biochemistry Pamukkale University, Department of Biology	2012-2015
BSc in Biology Pamukkale University, Department of Biology	2008-2012

RESEARCH INTERESTS

Cancer biology, biochemistry, bioinformatics.

HONORS AND AWARDS

Bioactivity and Genom-Based Investigation of Novel Actinobacteria for Antimicrobial, Antioxidant, Cytotoxic and Neuroprotective Molecules of Prospective Biotechnological Drug Precursors. TUBITAK	2020
Investigating the Molecular Mechanisms of the Effects of Dwarf Nettle (<i>Urtica urens</i>) on Prostate Cancer. TUBITAK	2014
Investigation Molecular Mechanisms of the Effects of Capparis spinosa L. Extract in Experimental Animal Model of Multiple Sclerosis. TUBITAK	2013

SCIENCE CITATION INDEX RESEARCH ARTICLES

E. Kavak, **D. Mutlu**, O. Ozok, S. Arslan, A. Kivrak. "Design, synthesis and pharmacological evaluation of novel Artemisinin-Thymol", Natural Product Research, 2021, doi: 10.1080/14786419.2020.1865954

A. Kurt-Kizildogan, C. Otur, C. Yilmaz, S. Arslan, **D. Mutlu**, A. Kivrak, M. Algso, A. Kayhan, D. Cetin, M. Konus. "Synthesis, cytotoxicity, antioxidant and antimicrobial activity of indole based novel small molecule", Letters in Drug Design & Discovery, 2020, doi: 10.2174/1570180817999201109203226

C. Yilmaz, S. Arslan, **D. Mutlu**, M. Konus, A. Kayhan, A. Kurt-Kızıldogan, C. Otur, O. Ozok, A. Kivrak. "Identification of 3-Bromo-1-Ethyl-1H-Indole as a Potent Anticancer Agent with Promising Inhibitory Effects on GST Isozymes", Anti-Cancer Agents in Medicinal Chemistry, 2020, doi: 10.2174/1871520620666200918111940

M. Konus, D. Cetin, C. Yilmaz, S. Arslan, **D. Mutlu**, A. Kurt-Kızıldogan, C. Otur, O. Ozok, M. AS Algo, A. Kivrak. "Synthesis, biological evaluation and molecular docking of novel thiophene-based indole derivatives as potential antibacterial, GST inhibitor and apoptotic anticancer agents", ChemistrySelect, 2020, doi: 10.1002/slct.202001523

A. Daikh, N. Segueni, NM. Dogan, S. Arslan, **D. Mutlu**, I. Kivrak, S. Akkal, S. Rhouati. "Comparative study of antibiofilm, cytotoxic activity and chemical composition of Algerian propolis", Journal of Apicultural Research, 2020, doi: 10.1080/00218839.2019.1701777

CONFERENCE PAPERS

D. Mutlu, S. Arslan, H. Aksit, I. Demirtas. 2018, Luteolin dependent inhibition of CYP1A1: application of in vitro and in silico modeling approaches. The 4th International Symposium EuroAsian Diversity. Kiev, Ukraine.

D. Mutlu, S. Arslan, B. Kabalay, G. Terzioglu, A. R. Tufekcioglu, I. Demirtas. 2018, Chemical constituent of Small Nettle (*Urtica urens*) seed oil and its cytotoxic activity. The 4th International Symposium EuroAsian Diversity. Kiev, Ukraine.

B. Kabalay, **D. Mutlu**, S. Arslan, G. Semiz, K. Kocabiyik. 2018, Essential oil composition analysis and cytotoxic activity of *Salvia frugida* Boiss. from Turkey. The 4th International Symposium EuroAsian Diversity. Kiev, Ukraine.

B. Kabalay, **D. Mutlu**, S. Arslan, G. Semiz, K. Kocabiyik. 2018, Chemical composition and Cytotoxicity of *Nepeta nuda* subsp. *lydiae* P. H. Davis Essential Oil Towards Colon Carcinoma. The 4th International Symposium EuroAsian Diversity. Kiev, Ukraine.

D. Mutlu, S. Arslan, H. Aksit, I. Demirtas. 2015, In vitro assessment of human CYP1A1 inhibition potential of Resveratrol and Silychristin. 9th Congress of the Turkish Toxicology Society. Cesme, Turkey.